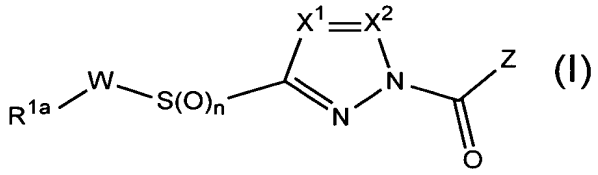
What is claimed is:

1. A dipeptidyl peptidase IV inhibiting agent comprising a compound represented by following general formula (I):

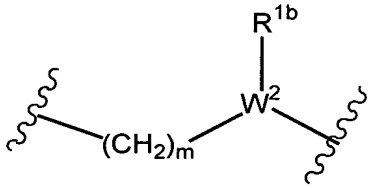


(I)

wherein R^{1a} represents a C_{1-6} alkyl group, a C_{3-8} cycloalkyl group, a 5- to 10-menbered aromatic heterocyclic group, a C_{6-10} aromatic hydrocarbon-cyclic group, a 4- to 10-menbered heterocyclic group, or a C_{4-13} polycycloalkyl group;

n means an integer of 0 to 2;

W represents a single bond, a C_{1-6} alkylene group, or a group represented by following formula W-1:

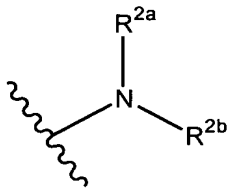


W-1

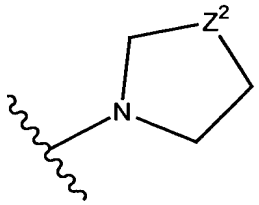
wherein W^2 represents a nitrogen atom or methine group, m means an integer of 0 to 3, and R^{1b} represents a C_{1-6} alkyl group, a C_{3-8} cycloalkyl group, a 5- to 10-menbered aromatic heterocyclic group, a C_{6-10} aromatic hydrocarbon-cyclic group, a 4- to 10-menbered heterocyclic group, or a C_{4-13} polycycloalkyl group;

each of X^1 and X^2 independently represents a nitrogen atom or a methine group;

Z represents a group represented by following formula Z-1 or Z-2:



Z-1

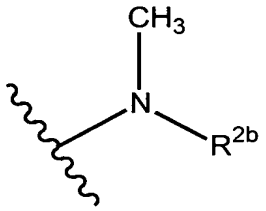


Z-2

wherein each of R^{2a} and R^{2b} independently represents a C_{1-6} alkyl group, a C_{2-6} alkenyl group, or a phenyl group, and Z^2 represents a sulfur atom or a methylene group; and

wherein R^{1a} and R^{1b} may be substituted with one to three substituents selected from the group consisting of (1) halogen atoms, (2) a hydroxyl group, (3) C_{2-6} alkenyl groups, (4) C_{2-6} alkynyl groups, (5) a phenyl group, (6) a cyano group, (7) C_{1-6} alkoxy groups which may be substituted with one to three halogen atoms or C_{1-6} alkoxy groups, and (8) C_{1-6} alkyl groups which may be substituted with one to three halogen atoms or C_{1-6} alkoxy groups.

2. The dipeptidyl peptidase IV inhibiting agent according to claim 1, wherein Z is a group represented by following formula Z-3:



Z-3

wherein R^{2b} represents a C_{1-6} alkyl group, a C_{2-6} alkenyl group, or a phenyl group.

3. The dipeptidyl peptidase IV inhibiting agent according to claim 1, wherein R^{1a} is a phenyl group or a 4-pyrazolyl group.

4. The dipeptidyl peptidase IV inhibiting agent according to claim 1, wherein X^1 is a nitrogen atom, and X^2 is a methine group.

5. The dipeptidyl peptidase IV inhibiting agent according to claim 1, wherein X^1 and X^2 are methine group.

6. The dipeptidyl peptidase IV inhibiting agent according to claim 1, wherein n is 1 or 2.

7. The dipeptidyl peptidase IV inhibiting agent according to claim 1, wherein the inhibiting agent is an agent for the treatment and prophylaxis of diabetic diseases.

8. The dipeptidyl peptidase IV inhibiting agent according to claim 1, wherein the inhibiting agent is an agent for the treatment and prophylaxis of obesity.

9. The dipeptidyl peptidase IV inhibiting agent according to claim 1, wherein the inhibiting agent is a hyperlipemia treating agent, an AIDS treating agent, an osteoporosis treating agent, an agent for treating intestinal disorders, a neovascularization treating agent, an infertility treating agent, an anti-inflammatory agent, an anti-allergic agent, an immune-modulating agent, a hormone-modulating agent, an antirheumatic agent, or an agent for treating cancers.